

Mouse Anti-Adipophilin/ADFP/PLIN2 [ADFP/1493]: MC0139, MC0139RTU7

Intended Use: For Research Use Only

Description: Recognizes a protein of 48kDa, which is identified as Adipophilin. It belongs to the perilipin family, members of which coat intracellular lipid storage droplets. This protein is associated with the lipid globule surface membrane material, and maybe involved in development and maintenance of adipose tissue. However, it is not restricted to adipocytes as previously thought, but is found in a wide range of cultured cell lines, including fibroblasts, endothelial and epithelial cells, and tissues, such as lactating mammary gland, adrenal cortex, Sertoli and Leydig cells, and hepatocytes in alcoholic liver cirrhosis, suggesting that it may serve as a marker of lipid accumulation in diverse cell types and diseases.

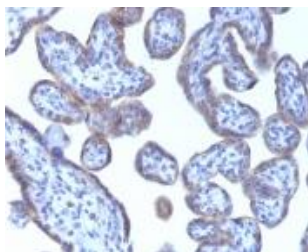
Specifications:

Clone: ADFP/1493
 Source: Mouse
 Isotype: IgG2b/λ
 Reactivity: Human
 Localization: Cytoplasm, membrane
 Formulation: Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
 Storage: Store at 2°- 8°C
 Applications: IHC, ELISA, ICC/IF
 Package:

Description	Catalog No.	Size
Adipophilin/ADFP/PLIN2 Concentrated	MC0139	1 ml
Adipophilin/ADFP/PLIN2 Prediluted	MC0139RTU7	7 ml

IHC Procedure*:

Positive Control Tissue: Liver, Adrenal gland or Cerebellum, HepG2 or JAR cells
 Concentrated Dilution: 50-200
 Pretreatment: Citrate pH6.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
 Incubation Time and Temp: 30-60 minutes @ RT
 Detection: Refer to the detection system manual
 * Result should be confirmed by an established diagnostic procedure.



FFPE human placenta stained with Adipophilin using DAB

References

1. Characterization of the platelet-derived growth factor receptor-α-positive cell lineage during murine late lung development. Ntokou A, et al. Am J Physiol Lung Cell Mol Physiol 309:L942-58, 2015.
2. Evidence for the involvement of fibroblast growth factor 10 in lipofibroblast formation during embryonic lung development. Al Alam D, et al. Development 142:4139-50, 2015.
3. Lipin-1 contributes to modified low-density lipoprotein-elicited macrophage pro-inflammatory responses. Navratil AR, et al. Atherosclerosis 242:424-32, 2015.
4. Actin filament-associated protein 1 is required for cSrc activity and secretory activation in the lactating mammary gland. Cunnick JM, et al. Oncogene 0:N/A, 2014.

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Rev. A